

Title (en)

Top sheet feeding apparatus.

Title (de)

Apparat zum Zuführen des oberen Blattes.

Title (fr)

Appareil d'alimentation de la feuille supérieure.

Publication

EP 0448081 A2 19910925 (EN)

Application

EP 91104344 A 19910320

Priority

JP 7091890 A 19900320

Abstract (en)

The top of stacked-up recording papers P1 is lifted by air flow D to separate mutually to convey the recording paper P1. Conventionally, air flows converging near the central part in the widthwise direction of the recording papers 2 are formed by nozzles 2 to collide against the front edge of the recording papers 2. But the separating ability is weak in the case of large-sized papers. In the invention, an air attraction part 215 intended from the conveying belt surface is formed in the conveying belt 157. Near the both ends in the widthwise direction of the recording paper P, a straightforward air flow D1, and an air flow D2, D3 obliquely running from inside to collide against it are formed, and the synthetic flow C11 is blown into the air attraction part 141. The recording paper P is deflected in a waveform at the air attraction part 141, and is separated by the air flow D. <IMAGE>

IPC 1-7

B65H 3/12; **B65H 3/48**

IPC 8 full level

G03G 15/00 (2006.01); **B65H 3/12** (2006.01); **B65H 3/48** (2006.01); **B65H 83/02** (2006.01); **G03G 15/04** (2006.01)

CPC (source: EP US)

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Cited by

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EP 0448081 A2 19910925; **EP 0448081 A3 19930203**; **EP 0448081 B1 19960911**; DE 69121943 D1 19961017; DE 69121943 T2 19970403; JP 2578238 B2 19970205; JP H03272942 A 19911204; US 5181710 A 19930126

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